ORIGINAL

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

In the Matter of	)	
	)	
Amendment of Section 73.202(b),	)	RM-_____
FM Table of Allotments,	)	
FM Broadcast Stations.	)	
(Corydon, Indiana and Shively, Kentucky)	)	

TO: Andrew J. Rhodes, Chief
Allocations Branch, Policy and Rules Division
Mass Media Bureau

PETITION FOR RULE MAKING

1. Power Communications, Inc. ("Power"), licensee of Station WGZB-FM, Corydon, Indiana, hereby petitions the Commission to initiate a rule making proceeding in order to amend the FM Table of Allotments, Section 73.202(b) of the Commission's Rules, to reallot Channel 243A from Corydon, Indiana to Shively, Kentucky. Station WGZB-FM presently operates on Channel 243A. The changes in the Table proposed by Power are as follows:

	Existing	Proposed
Corydon, IN	243A, 299B	299B
Shively, KY	--	243A

In the event that the proposed reallotment is adopted by the Commission, Power also requests that the Commission modify the license of Station WGZB-FM to reflect that its city of license is Shively, rather than Corydon, and to relocate the station's transmitter as contemplated herein.

2. As set forth in the accompanying Technical Statement, the proposed change in the community of allotment of Channel 243A can be accomplished consistently with all Commission

rules and regulations and with all outstanding licenses, construction permits, vacant allocations, pending applications and pending rule making proposals. Further, the proposed change can be accomplished without disruption to or significant physical modification of the operation of Station WGZB-FM. [1/] Indeed, the proposed change is technically mutually exclusive with Power's present assignment. As a result, the license of Station WGZB-FM may be modified pursuant to Section 1.420(i) of the Rules.

3. The proposed reallotment of Channel 243A from Corydon to Shively is clearly in the public interest. Corydon is a community with a 1990 U.S. Census population of 3,045 persons; it presently has two FM channels allotted to it, as well as a local AM radio station. Shively, by contrast, has a 1990 U.S. Census population of more than 15,000, nearly five times that of Corydon; also by contrast, Shively has no local radio service. Thus, Corydon would retain two local radio services notwithstanding the proposed removal of Channel 243A, while Shively -- a substantially larger community -- would obtain its first local radio service. Such a reallotment would be consistent with well-established Commission allocation priorities. See, e.g., FM Assignment Policies and Procedures, 51 R.R.2d 807 (1982).

4. Shively is an incorporated place with its own mayor

[1/] The proposed reference point utilized in the accompanying Technical Statement would entail a relatively slight relocation of the transmitter of Station WGZB-FM. Power understands that that reference point is available for use as the station's transmitter site, and Power hereby represents its willingness to relocate the station's transmitter to that site.

and city council (with eight members). [2/] The City of Shively has its own police department, fire department, street maintenance department, planning and zoning board, city library, public school system, recreational facilities (30-acre city park, tennis courts, golf course) and garbage collection services. At least one civic organization, one major department store, one bank and one savings and loan institution are located in Shively, as are two distilleries and a cookie factory. Clearly, Shively is an independent community deserving of its first local transmission service. See, e.g., FM Channel Assignments (Beech Mountain, NC), 69 R.R.2d 1731 (Mass Media Bureau 1991).

5. In light of the foregoing, the proposed reallotment of Channel 243A from Corydon to Shively would be consistent with the Commission's rules, regulations and policies. Accordingly, Power Communications, Inc. requests that Channel 243A be reallotted from Corydon, Indiana to Shively, Kentucky, and that the license of Station WGZB-FM be modified to reflect that its community of license is Shively, and not Corydon.

Respectfully submitted,

/s/ Harry F. Cole
Harry F. Cole

Bechtel & Cole, Chartered
1901 L Street, N.W. - Suite 250
Washington, D.C. 20036
(202) 833-4190

Counsel for Power Communications, Inc.

February 4, 1993

[2/] Information set forth above concerning Shively has been obtained from the office of the City Clerk of Shively.

TECHNICAL STATEMENT
IN SUPPORT OF PETITION FOR RULE MAKING
FM CHANNEL 243A
POWER COMMUNICATIONS, INC.
SHIVELY, KENTUCKY

TABLE OF CONTENTS

PREPARED BY:

BROADCAST TECHNICAL, INC.
NEW ORLEANS, LOUISIANA
January 1993

TECHNICAL STATEMENT
IN SUPPORT OF PETITION FOR RULE MAKING
OF POWER COMMUNICATIONS, INC.
SHIVELY, KENTUCKY

INTRODUCTION

This technical statement and associated exhibits have been prepared on behalf of Power Communications, Inc. (herein "Petitioner") licensee of **WGZB-FM**, Corydon, Indiana, in support of a Petition for Rule Making.

Petitioner requests the amendment of 47 CFR 73.202(b) by the re-allotment of channel 243A (grandfathered 3 kW) from Corydon, Indiana, to Shively, Kentucky. Whereas the requested change is mutually exclusive with the present channel 243A allotment at Corydon, Petitioner invokes the provisions of 47 CFR 1.420(i).

Station WGZB-FM is currently operating on channel 243A at Corydon, Indiana, with an effective radiated power of 3 kilowatts and antenna height above average terrain of 100 meters, as authorized by BLH-900503KC.

Corydon, Indiana, with a 1990 U.S. Census population of 3045 persons, presently has two commercial FM assignments, namely, WGZB-FM, and a new channel 299B facility which was granted a construction permit (BPH-860221MT) on October 2, 1991. In addition, there is one AM assignment, WOCC-AM on 1550 kHz.

Shively, Kentucky, with a 1990 U.S. Census population of 15,154 persons, has no local FM, AM or TV service. Petitioner's proposal would therefore bring a first local broadcast service to Shively, and would not deprive Corydon of local broadcast service.

PROPOSED CHANGE IN FM TABLE OF ALLOTMENTS

Petitioner herein requests modification of the FM Table of Allotments, 47 CFR 73202(b) as follows: re-allotment of channel 243A to Shively, Kentucky and the modification of the license of WGZB-FM accordingly. The proposed change is as follows:

PRESENT:	**CITY**	**CHANNEL**
	Corydon, Indiana	243A, 299B

PROPOSED:	**CITY**	**CHANNEL**
	Corydon, Indiana	299B
	Shively, Kentucky	243A

COMPLIANCE WITH FCC RULES

Figure 1 is a tabulation of a detailed FM separation study pertinent to the use of channel 243A at Shively. The geographic coordinates of the proposed reference point used for distance calculations are for an area which is already in use for several broadcast and communications towers of the type necessary (see Figures 2 and 3) for the proposed Shively FM facility.

The following reference point has been selected for channel 243A at Shively:

Latitude: 38-16-05
Longitude: 85-56-25

Figure 2 illustrates the location of the proposed reference point on a USGS 7.5 minute topographic map. The proposed reference point is located approximately 14.2 kilometers northwest of the Shively, Kentucky reference point listed in the

Index to the USGS National Atlas. Operation from this site, or in the adjacent area, with maximum grandfathered Class A facilities (ERP 3 kW, 100 meters) would provide the requisite 70 dBu coverage of Shively (see Figures 4 and 5) in compliance with 47 CFR 73.315.

The proposed reference point is not located within 290 kilometers of a U.S. border and, therefore, foreign concurrence is not required.

The proposed reference point complies with the Commission's minimum distance separation requirements for grandfathered Class A facilities contained in 47 CFR 73.207 to all known Licenses, Construction Permits, Open Allocations, pending Applications, and pending Rule Makings.

Pursuant to 47 CFR 1.420(i), the Commission will consider petitions to modify the license of an FM station to specify a new community if the proposed allotment would be mutually exclusive with the present assignment. As the proposed reference point would be short-spaced to the present WGZB-FM site by 96 kilometers, the proposed allotment is mutually exclusive with the existing allotment.

POPULATION AND AREAS

The present WGZB-FM operation provides FM primary (60 dBu, 1mV/m) service to a land area of approximately 1827.5 square kilometers containing an estimated population (1990 census) of 412,131 persons.

Operation from the proposed reference point with maximum grandfathered Class A facilities would provide FM primary service to a land area of approximately 1790.4 square kilometers containing an estimated population of 699,597 persons (1990 census).

SUMMARY

Channel 243A (grandfathered 3kW) can be re-alloted from Corydon, Indiana to Shively, Kentucky in apparent compliance with all applicable Commission Rules. The instant proposal will result in a first local broadcast service to Shively, Kentucky, population 15,154. The proposal would not deprive Corydon of local FM broadcast service. Therefore, Petitioner requests the re-allotment of channel 243A (grandfathered 3 kW) to Shively and the modification of the WGZB-FM license accordingly.

Respectfully Submitted,
Broadcast Technical, Inc.

By: 

Kenneth Devine

January, 1993

FIGURE 1
FM SEPARATION STUDY
PETITION FOR RULE MAKING
FM CHANNEL 243A
POWER COMMUNICATIONS, INC.
SHIVELY, KENTUCKY

REFERENCE
38 16 05 N
85 56 25 W

CLASS A

DISPLAY DATES
SEARCH *1-18-93*
DATA *1-10-93*

Previous rule spacings

CHANNEL 243 - 96.5 MHz

CALL TYPE	CH# LAT	CITY LNG	STATE PWR	BEAR' HT	D-KM D-Mi	R-KM R-Mi	MARGIN (KM)
WGZBFM	**243A**	**Corydon**	**IN**	**228.3**	**8.95**		
LI	*CY 38 12 52*	*86 01 00*	*3.0 kW*	*100M*	*5.6*		
Power Communications, Inc. BLH900503KC							
WGZBFM	**243A**	**Corydon**	**IN**	**167.6**	**10.73**		
AP	*ZCN 38 10 25*	*85 54 50*	*2.35 kW*	*158M*	*6.7*		
Power Communications, Inc. BPH910208IA							
WOKH	**244A**	**Bardstown**	**KY**	**141.3**	**64.0**	**64.0**	**0.00 ***
LI	*CN 37 49 09*	*85 29 10*	*3.0 kW*	*49M*	***(* rounded to nearest kilometer)***		
Nelson County Broadcasting Co BLH791001AB							
WJAA	**242A**	**Austin**	**IN**	**9.0**	**64.75**	**64.0**	**0.75**
LI	*CN 38 50 39*	*85 49 26*	*3.0 kW*	*100M*	*40.2*	*39.8*	
Midland Media, Inc. BLH911028KF							
WORXFM	**244A**	**Madison**	**IN**	**43.8**	**72.90**	**64.0**	**8.90**
LI	*CN 38 44 30*	*85 21 41*	*3.0 kW*	*97M*	*45.3*	*39.8*	
Dubois County Broadcasting, I BLH880606KC							
WOKH.A	**244A**	**Bardstown**	**KY**	**146.0**	**76.03**	**64.0**	**12.03**
AP	*ZCN 37 42 01*	*85 27 22*	*3.0 kW*	*100M*	*47.3*	*39.8*	
Nelson County Broadcasting Co BPH910430IC							
WZRZ	**243B**	**Hamilton**	**OH**	**49.4**	**184.91**	**163.0**	**21.91**
LI	*CN 39 21 11*	*84 19 30*	*19.5 kW*	*247M*	*114.9*	*101.3*	
Reams Broadcasting Corporatio BLH860428KD							

PREPARED BY: **BROADCAST TECHNICAL, INC.**
NEW ORLEANS, LOUISIANA
January, 1993

FIGURE 1, Page 2
FM SEPARATION STUDY
PETITION FOR RULE MAKING
FM CHANNEL 243A
POWER COMMUNICATIONS, INC.
SHIVELY, KENTUCKY

REFERENCE
38 16 05 N
85 56 25 W

CLASS A

DISPLAY DATES
SEARCH ***1-18-93***
DATA ***1-10-93***

Previous rule spacings

CHANNEL 243 - 96.5 MHz

CALL TYPE	CH# LAT	CITY LNG	STATE PWR	BEAR' HT	D-KM D-Mi	R-KM R-Mi	MARGIN (KM)
WXSC.C	**245A**	**Tell City**	**IN**	**242.9**	**68.38**	**27.0**	**41.38**
CP CN	*37 59 14*	*86 38 04*	*6.0 kW*	*100M*	*42.5*	*16.8*	
Carolyn S. Hagedorn BPH891206MH							
WSTO	**241C**	**Owensboro**	**KY**	**246.1**	**136.07**	**94.0**	**42.07**
LI CN	*37 46 20*	*87 21 27*	*100.0 kW*	*305M*	*84.6*	*58.4*	
Owensboro-on-the-Air, Inc. BLH820601AO							
WBWB	**244A**	**Bloomington**	**IN**	**335.0**	**109.58**	**64.0**	**45.58**
LI CN	*39 09 46*	*86 28 21*	*1.65 kW*	*134M*	*68.1*	*39.8*	
University Broadcasting Compa BLH860515KB							

END CHANNEL 243A STUDY

PREPARED BY: **BROADCAST TECHNICAL, INC.**
NEW ORLEANS, LOUISIANA
January, 1993

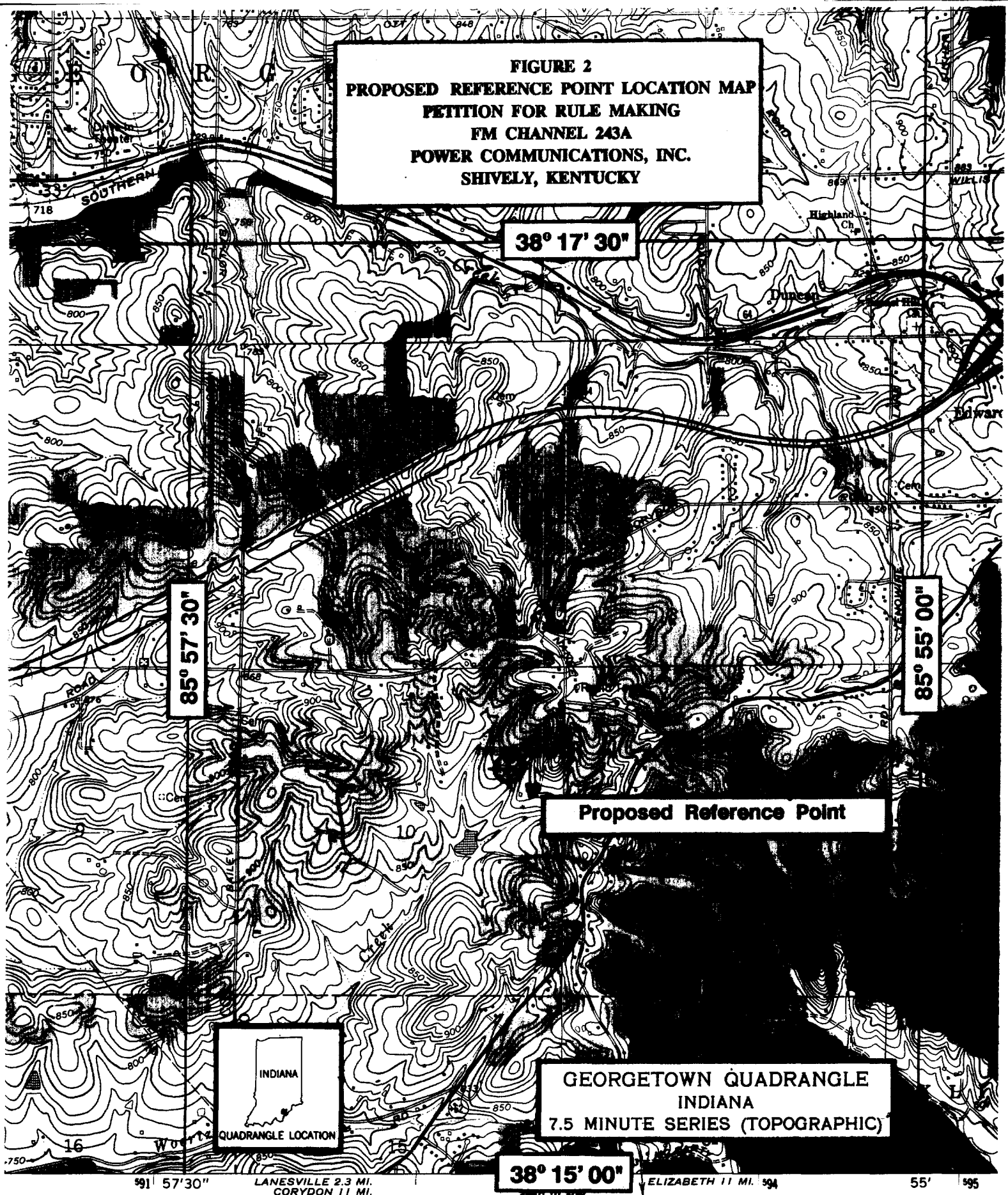
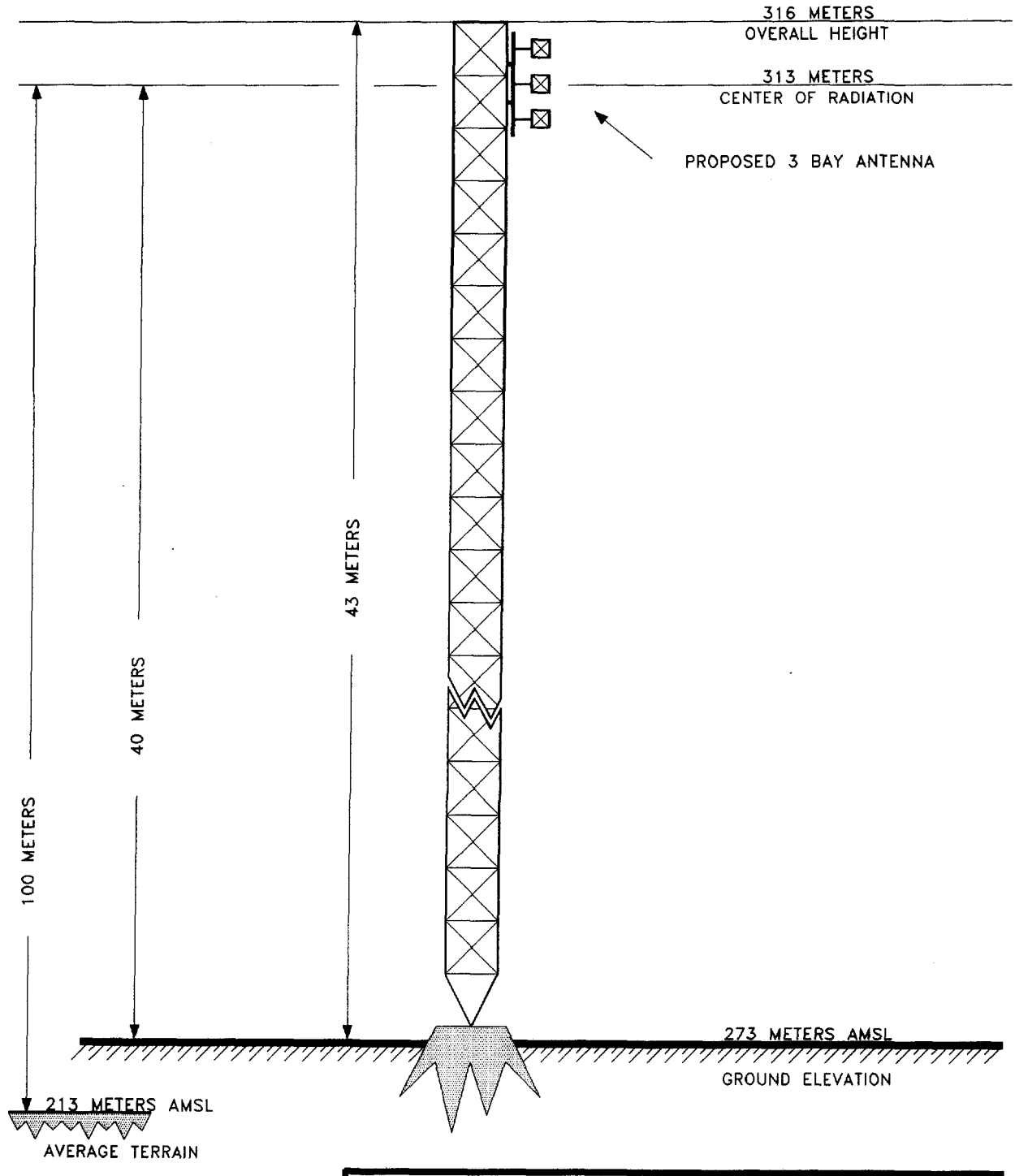


FIGURE 2
PROPOSED REFERENCE POINT LOCATION MAP
PETITION FOR RULE MAKING
FM CHANNEL 243A
POWER COMMUNICATIONS, INC.
SHIVELY, KENTUCKY
38° 17' 30"
85° 57' 30"
85° 55' 00"
38° 15' 00"
Proposed Reference Point
INDIANA
QUADRANGLE LOCATION
GEORGETOWN QUADRANGLE
INDIANA
7.5 MINUTE SERIES (TOPOGRAPHIC)
57'30"
55'
LANESVILLE 2.3 MI.
CORYDON 11 MI.
ELIZABETH 11 MI.
SCALE 1:24 000
1 MILE
7000 FEET
1 KILOMETER
CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
MN
GN
1°
18 MILS
0°40'
12 MILS

N. 38° 16' 05"
W. 85° 56' 25"



Not to Scale:

FIGURE 3
SKETCH OF THEORETICAL TOWER AND ANTENNA
PETITION FOR RULE MAKING
FM CHANNEL 243-A
POWER COMMUNICATIONS, INC.
SHIVELY, KENTUCKY

FIGURE 4
PROPOSED REFERENCE POINT ELEVATION AND CONTOUR DATA
PETITION FOR RULE MAKING
POWER COMMUNICATIONS, INC.
SHIVELY, KENTUCKY

ERP = 3 kW
FM - 2-6 Tables
Antenna Radiation Center AMSL = 313 meters
Geographic Coordinates: North latitude: 38 16 05
West longitude: 85 56 25

Ave. Elev. Azimuth Deg T.	Effective 3 to 16 km Meters AMSL	Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-50) Distance to 70 dBu Contour km
0	239.1	73.9	4.771	20.9	11.7
1	239.5	73.5	4.771	20.9	11.6
2	239.9	73.1	4.771	20.8	11.6
3	239.6	73.4	4.771	20.8	11.6
4	239.4	73.6	4.771	20.9	11.6
5	238.7	74.3	4.771	21.0	11.7
6	239.4	73.6	4.771	20.9	11.6
7	240.2	72.8	4.771	20.8	11.6
8	241.0	72.0	4.771	20.7	11.5
9	242.1	70.9	4.771	20.5	11.4
10	243.4	69.6	4.771	20.3	11.3
11	244.3	68.7	4.771	20.2	11.3
12	245.4	67.6	4.771	20.0	11.2
13	246.3	66.7	4.771	19.9	11.1
14	247.1	65.9	4.771	19.8	11.1
15	247.4	65.6	4.771	19.8	11.1
16	247.5	65.5	4.771	19.8	11.0
17	246.9	66.1	4.771	19.8	11.1
18	245.9	67.1	4.771	20.0	11.2
19	245.1	67.9	4.771	20.1	11.2
20	245.4	67.6	4.771	20.0	11.2
21	247.2	65.8	4.771	19.8	11.1
22	250.4	62.6	4.771	19.3	10.8
23	254.1	58.9	4.771	18.8	10.6
24	257.0	56.0	4.771	18.3	10.3
25	258.7	54.3	4.771	18.0	10.1
26	260.0	53.0	4.771	17.8	10.0
27	261.2	51.8	4.771	17.6	9.9
28	262.3	50.7	4.771	17.4	9.8
29	263.0	50.0	4.771	17.2	9.7
30	263.4	49.6	4.771	17.1	9.7
31	263.4	49.6	4.771	17.1	9.7
32	262.7	50.3	4.771	17.3	9.7
33	261.4	51.6	4.771	17.5	9.9
34	259.8	53.2	4.771	17.8	10.0
35	258.3	54.7	4.771	18.1	10.2

Ave. Elev. Azimuth Deg T.	Effective 3 to 16 km Meters AMSL	Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-50) Distance to 70 dBu Contour km
36	257.3	55.7	4.771	18.3	10.3
37	257.2	55.8	4.771	18.3	10.3
38	257.8	55.2	4.771	18.2	10.2
39	258.9	54.1	4.771	18.0	10.1
40	259.4	53.6	4.771	17.9	10.1
41	258.0	55.0	4.771	18.2	10.2
42	254.0	59.0	4.771	18.8	10.6
43	247.7	65.3	4.771	19.7	11.0
44	240.4	72.6	4.771	20.7	11.6
45	233.6	79.4	4.771	21.7	12.0
46	228.8	84.2	4.771	22.3	12.4
47	225.4	87.6	4.771	22.7	12.6
48	222.3	90.7	4.771	23.1	12.8
49	218.7	94.3	4.771	23.5	13.1
50	214.4	98.6	4.771	24.1	13.4
51	210.1	102.9	4.771	24.6	13.6
52	206.1	106.9	4.771	25.0	13.9
53	202.8	110.2	4.771	25.3	14.1
54	200.0	113.0	4.771	25.6	14.3
55	197.3	115.7	4.771	25.9	14.5
56	194.3	118.7	4.771	26.2	14.7
57	191.3	121.7	4.771	26.4	14.9
58	188.2	124.8	4.771	26.7	15.0
59	185.2	127.8	4.771	26.9	15.2
60	182.1	130.9	4.771	27.2	15.4
61	178.9	134.1	4.771	27.5	15.7
62	175.9	137.1	4.771	27.8	15.9
63	173.0	140.0	4.771	28.0	16.1
64	170.4	142.6	4.771	28.2	16.2
65	168.2	144.8	4.771	28.4	16.4
66	166.5	146.5	4.771	28.6	16.5
67	165.1	147.9	4.771	28.7	16.6
68	163.8	149.2	4.771	28.8	16.7
69	162.5	150.5	4.771	28.9	16.8
70	161.2	151.8	4.771	29.0	16.9
71	159.9	153.1	4.771	29.2	16.9
72	158.4	154.6	4.771	29.3	17.0
73	156.8	156.2	4.771	29.4	17.1
74	155.6	157.4	4.771	29.5	17.2
75	154.6	158.4	4.771	29.6	17.3
76	153.9	159.1	4.771	29.7	17.3
77	153.6	159.4	4.771	29.7	17.3
78	153.3	159.7	4.771	29.7	17.4
79	152.9	160.1	4.771	29.8	17.4
80	152.0	161.0	4.771	29.9	17.4
81	151.1	161.9	4.771	29.9	17.5
82	150.4	162.6	4.771	30.0	17.5

Ave. Elev. Azimuth Deg T.	Effective 3 to 16 km Meters AMSL	Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-50) Distance to 70 dBu Contour km
83	150.0	163.0	4.771	30.0	17.6
84	149.7	163.3	4.771	30.1	17.6
85	149.6	163.4	4.771	30.1	17.6
86	149.7	163.3	4.771	30.1	17.6
87	149.6	163.4	4.771	30.1	17.6
88	149.5	163.5	4.771	30.1	17.6
89	149.5	163.5	4.771	30.1	17.6
90	149.5	163.5	4.771	30.1	17.6
91	149.6	163.4	4.771	30.1	17.6
92	149.3	163.7	4.771	30.1	17.6
93	148.6	164.4	4.771	30.2	17.6
94	148.0	165.0	4.771	30.2	17.7
95	147.4	165.6	4.771	30.3	17.7
96	146.7	166.3	4.771	30.3	17.7
97	145.9	167.1	4.771	30.4	17.8
98	145.2	167.8	4.771	30.5	17.8
99	144.6	168.4	4.771	30.5	17.9
100	144.3	168.7	4.771	30.5	17.9
101	144.4	168.6	4.771	30.5	17.9
102	144.5	168.5	4.771	30.5	17.9
103	144.6	168.4	4.771	30.5	17.9
104	144.7	168.3	4.771	30.5	17.9
105	144.8	168.2	4.771	30.5	17.9
106	145.1	167.9	4.771	30.5	17.8
107	145.3	167.7	4.771	30.4	17.8
108	145.7	167.3	4.771	30.4	17.8
109	145.9	167.1	4.771	30.4	17.8
110	145.9	167.1	4.771	30.4	17.8
111	145.9	167.1	4.771	30.4	17.8
112	145.6	167.4	4.771	30.4	17.8
113	145.2	167.8	4.771	30.5	17.8
114	144.6	168.4	4.771	30.5	17.9
115	143.7	169.3	4.771	30.6	17.9
116	142.8	170.2	4.771	30.7	18.0
117	141.7	171.3	4.771	30.8	18.0
118	140.6	172.4	4.771	30.9	18.1
119	139.6	173.4	4.771	30.9	18.1
120	138.8	174.2	4.771	31.0	18.2
121	138.3	174.7	4.771	31.1	18.2
122	138.1	174.9	4.771	31.1	18.2
123	138.4	174.6	4.771	31.1	18.2
124	139.1	173.9	4.771	31.0	18.2
125	140.3	172.7	4.771	30.9	18.1
126	142.0	171.0	4.771	30.7	18.0
127	143.8	169.2	4.771	30.6	17.9
128	145.4	167.6	4.771	30.4	17.8
129	146.6	166.4	4.771	30.3	17.8

Ave. Elev. Azimuth Deg T.	Effective 3 to 16 km Meters AMSL	Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-50) Distance to 70 dBu Contour km
130	147.2	165.8	4.771	30.3	17.7
131	147.3	165.7	4.771	30.3	17.7
132	147.3	165.7	4.771	30.3	17.7
133	147.4	165.6	4.771	30.3	17.7
134	147.8	165.2	4.771	30.2	17.7
135	148.5	164.5	4.771	30.2	17.6
136	148.8	164.2	4.771	30.1	17.6
137	148.1	164.9	4.771	30.2	17.7
138	146.8	166.2	4.771	30.3	17.7
139	145.8	167.2	4.771	30.4	17.8
140	145.0	168.0	4.771	30.5	17.8
141	144.5	168.5	4.771	30.5	17.9
142	144.0	169.0	4.771	30.6	17.9
143	143.7	169.3	4.771	30.6	17.9
144	143.6	169.4	4.771	30.6	17.9
145	143.6	169.4	4.771	30.6	17.9
146	143.6	169.4	4.771	30.6	17.9
147	143.8	169.2	4.771	30.6	17.9
148	144.3	168.7	4.771	30.5	17.9
149	145.0	168.0	4.771	30.5	17.8
150	146.3	166.7	4.771	30.4	17.8
151	148.0	165.0	4.771	30.2	17.7
152	149.8	163.2	4.771	30.0	17.6
153	151.5	161.5	4.771	29.9	17.5
154	153.1	159.9	4.771	29.8	17.4
155	154.8	158.2	4.771	29.6	17.3
156	156.4	156.6	4.771	29.5	17.2
157	157.7	155.3	4.771	29.3	17.1
158	158.6	154.4	4.771	29.3	17.0
159	159.4	153.6	4.771	29.2	17.0
160	160.4	152.6	4.771	29.1	16.9
161	162.2	150.8	4.771	29.0	16.8
162	165.1	147.9	4.771	28.7	16.6
163	169.1	143.9	4.771	28.3	16.3
164	173.8	139.2	4.771	27.9	16.0
165	179.2	133.8	4.771	27.5	15.6
166	185.6	127.4	4.771	26.9	15.2
167	193.4	119.6	4.771	26.2	14.7
168	203.6	109.4	4.771	25.3	14.1
169	216.3	96.7	4.771	23.8	13.2
170	229.2	83.8	4.771	22.2	12.3
171	239.1	73.9	4.771	20.9	11.7
172	246.1	66.9	4.771	20.0	11.2
173	252.2	60.8	4.771	19.1	10.7
174	257.6	55.4	4.771	18.2	10.2
175	261.4	51.6	4.771	17.5	9.9
176	263.6	49.4	4.771	17.1	9.6

Ave. Elev. Azimuth Deg T.	Effective 3 to 16 km Meters AMSL	Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-50) Distance to 70 dBu Contour km
177	264.0	49.0	4.771	17.0	9.6
178	263.9	49.1	4.771	17.0	9.6
179	262.2	50.8	4.771	17.4	9.8
180	260.5	52.5	4.771	17.7	10.0
181	259.0	54.0	4.771	18.0	10.1
182	257.5	55.5	4.771	18.3	10.3
183	255.9	57.1	4.771	18.5	10.4
184	254.6	58.4	4.771	18.7	10.5
185	253.3	59.7	4.771	18.9	10.6
186	251.9	61.1	4.771	19.1	10.7
187	250.4	62.6	4.771	19.3	10.8
188	249.2	63.8	4.771	19.5	10.9
189	248.5	64.5	4.771	19.6	11.0
190	247.6	65.4	4.771	19.7	11.0
191	246.1	66.9	4.771	20.0	11.2
192	243.9	69.1	4.771	20.3	11.3
193	241.9	71.1	4.771	20.5	11.5
194	240.1	72.9	4.771	20.8	11.6
195	238.8	74.2	4.771	21.0	11.7
196	237.6	75.4	4.771	21.1	11.8
197	236.5	76.5	4.771	21.3	11.8
198	235.6	77.4	4.771	21.4	11.9
199	235.0	78.0	4.771	21.5	11.9
200	234.7	78.3	4.771	21.5	12.0
201	234.9	78.1	4.771	21.5	12.0
202	235.4	77.6	4.771	21.4	11.9
203	235.6	77.4	4.771	21.4	11.9
204	235.3	77.7	4.771	21.4	11.9
205	234.7	78.3	4.771	21.5	12.0
206	234.4	78.6	4.771	21.5	12.0
207	234.5	78.5	4.771	21.5	12.0
208	234.6	78.4	4.771	21.5	12.0
209	234.0	79.0	4.771	21.6	12.0
210	232.9	80.1	4.771	21.7	12.1
211	231.8	81.2	4.771	21.9	12.2
212	231.2	81.8	4.771	22.0	12.2
213	231.0	82.0	4.771	22.0	12.2
214	231.0	82.0	4.771	22.0	12.2
215	231.1	81.9	4.771	22.0	12.2
216	231.3	81.7	4.771	22.0	12.2
217	231.5	81.5	4.771	21.9	12.2
218	231.3	81.7	4.771	22.0	12.2
219	230.8	82.2	4.771	22.0	12.2
220	229.9	83.1	4.771	22.1	12.3
221	229.0	84.0	4.771	22.3	12.4
222	228.1	84.9	4.771	22.4	12.4
223	227.5	85.5	4.771	22.4	12.5

Ave. Elev. Azimuth Deg T.	Effective 3 to 16 km Meters AMSL	Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-50) Distance to 70 dBu Contour km
224	226.9	86.1	4.771	22.5	12.5
225	226.2	86.8	4.771	22.6	12.6
226	225.3	87.7	4.771	22.7	12.6
227	224.1	88.9	4.771	22.9	12.7
228	222.8	90.2	4.771	23.0	12.8
229	221.3	91.7	4.771	23.2	12.9
230	219.6	93.4	4.771	23.4	13.0
231	217.7	95.3	4.771	23.7	13.1
232	215.6	97.4	4.771	23.9	13.3
233	213.9	99.1	4.771	24.1	13.4
234	212.9	100.1	4.771	24.2	13.5
235	213.3	99.7	4.771	24.2	13.4
236	214.9	98.1	4.771	24.0	13.3
237	216.9	96.1	4.771	23.8	13.2
238	218.4	94.6	4.771	23.6	13.1
239	219.6	93.4	4.771	23.4	13.0
240	221.0	92.0	4.771	23.3	12.9
241	222.8	90.2	4.771	23.0	12.8
242	224.7	88.3	4.771	22.8	12.7
243	226.3	86.7	4.771	22.6	12.5
244	227.5	85.5	4.771	22.4	12.5
245	228.9	84.1	4.771	22.3	12.4
246	230.8	82.2	4.771	22.0	12.2
247	232.8	80.2	4.771	21.8	12.1
248	234.4	78.6	4.771	21.5	12.0
249	235.5	77.5	4.771	21.4	11.9
250	235.7	77.3	4.771	21.4	11.9
251	235.3	77.7	4.771	21.4	11.9
252	234.3	78.7	4.771	21.6	12.0
253	233.0	80.0	4.771	21.7	12.1
254	232.0	81.0	4.771	21.9	12.2
255	231.2	81.8	4.771	22.0	12.2
256	230.2	82.8	4.771	22.1	12.3
257	229.2	83.8	4.771	22.2	12.3
258	228.2	84.8	4.771	22.4	12.4
259	227.6	85.4	4.771	22.4	12.5
260	227.3	85.7	4.771	22.5	12.5
261	227.2	85.8	4.771	22.5	12.5
262	227.6	85.4	4.771	22.4	12.5
263	228.3	84.7	4.771	22.3	12.4
264	229.0	84.0	4.771	22.3	12.4
265	229.2	83.8	4.771	22.2	12.3
266	228.7	84.3	4.771	22.3	12.4
267	228.1	84.9	4.771	22.4	12.4
268	227.3	85.7	4.771	22.5	12.5
269	226.4	86.6	4.771	22.6	12.5
270	226.5	86.5	4.771	22.6	12.5

Ave. Elev. Azimuth Deg T.	Effective 3 to 16 km Meters AMSL	Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-50) Distance to 70 dBu Contour km
271	226.7	86.3	4.771	22.6	12.5
272	226.9	86.1	4.771	22.5	12.5
273	227.2	85.8	4.771	22.5	12.5
274	228.0	85.0	4.771	22.4	12.4
275	227.4	85.6	4.771	22.5	12.5
276	225.8	87.2	4.771	22.7	12.6
277	224.2	88.8	4.771	22.9	12.7
278	223.0	90.0	4.771	23.0	12.8
279	222.0	91.0	4.771	23.1	12.8
280	221.2	91.8	4.771	23.2	12.9
281	221.1	91.9	4.771	23.3	12.9
282	222.2	90.8	4.771	23.1	12.8
283	224.2	88.8	4.771	22.9	12.7
284	226.6	86.4	4.771	22.6	12.5
285	228.6	84.4	4.771	22.3	12.4
286	229.5	83.5	4.771	22.2	12.3
287	229.3	83.7	4.771	22.2	12.3
288	228.5	84.5	4.771	22.3	12.4
289	227.6	85.4	4.771	22.4	12.5
290	226.8	86.2	4.771	22.5	12.5
291	226.3	86.7	4.771	22.6	12.5
292	226.1	86.9	4.771	22.6	12.6
293	225.9	87.1	4.771	22.7	12.6
294	225.8	87.2	4.771	22.7	12.6
295	225.6	87.4	4.771	22.7	12.6
296	225.3	87.7	4.771	22.7	12.6
297	224.8	88.2	4.771	22.8	12.6
298	224.3	88.7	4.771	22.9	12.7
299	223.8	89.2	4.771	22.9	12.7
300	223.5	89.5	4.771	23.0	12.7
301	223.5	89.5	4.771	23.0	12.7
302	223.6	89.4	4.771	22.9	12.7
303	223.5	89.5	4.771	23.0	12.7
304	223.2	89.8	4.771	23.0	12.8
305	222.9	90.1	4.771	23.0	12.8
306	222.4	90.6	4.771	23.1	12.8
307	221.4	91.6	4.771	23.2	12.9
308	220.1	92.9	4.771	23.4	13.0
309	218.7	94.3	4.771	23.5	13.1
310	217.8	95.2	4.771	23.7	13.1
311	217.4	95.6	4.771	23.7	13.2
312	217.7	95.3	4.771	23.7	13.1
313	218.5	94.5	4.771	23.6	13.1
314	219.8	93.2	4.771	23.4	13.0
315	221.5	91.5	4.771	23.2	12.9
316	223.1	89.9	4.771	23.0	12.8
317	224.4	88.6	4.771	22.8	12.7

Ave. Elev. Azimuth Deg T.	Effective 3 to 16 km Meters AMSL	Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km	F(50-50) Distance to 70 dBu Contour km
318	225.4	87.6	4.771	22.7	12.6
319	226.8	86.2	4.771	22.5	12.5
320	228.5	84.5	4.771	22.3	12.4
321	230.1	82.9	4.771	22.1	12.3
322	231.2	81.8	4.771	22.0	12.2
323	232.2	80.8	4.771	21.8	12.1
324	233.4	79.6	4.771	21.7	12.1
325	234.7	78.3	4.771	21.5	12.0
326	235.7	77.3	4.771	21.4	11.9
327	236.2	76.8	4.771	21.3	11.9
328	236.2	76.8	4.771	21.3	11.9
329	236.1	76.9	4.771	21.3	11.9
330	236.0	77.0	4.771	21.3	11.9
331	236.2	76.8	4.771	21.3	11.9
332	236.3	76.7	4.771	21.3	11.9
333	236.7	76.3	4.771	21.2	11.8
334	237.2	75.8	4.771	21.2	11.8
335	238.1	74.9	4.771	21.0	11.7
336	239.2	73.8	4.771	20.9	11.6
337	240.4	72.6	4.771	20.7	11.6
338	241.4	71.6	4.771	20.6	11.5
339	242.0	71.0	4.771	20.5	11.4
340	242.6	70.4	4.771	20.4	11.4
341	243.0	70.0	4.771	20.4	11.4
342	243.3	69.7	4.771	20.3	11.4
343	242.9	70.1	4.771	20.4	11.4
344	241.8	71.2	4.771	20.5	11.5
345	240.2	72.8	4.771	20.8	11.6
346	238.4	74.6	4.771	21.0	11.7
347	236.1	76.9	4.771	21.3	11.9
348	234.0	79.0	4.771	21.6	12.0
349	232.6	80.4	4.771	21.8	12.1
350	232.5	80.5	4.771	21.8	12.1
351	233.1	79.9	4.771	21.7	12.1
352	234.6	78.4	4.771	21.5	12.0
353	236.1	76.9	4.771	21.3	11.9
354	237.2	75.8	4.771	21.2	11.8
355	238.1	74.9	4.771	21.0	11.7
356	238.4	74.6	4.771	21.0	11.7
357	238.5	74.5	4.771	21.0	11.7
358	238.7	74.3	4.771	21.0	11.7
359	238.9	74.1	4.771	20.9	11.7

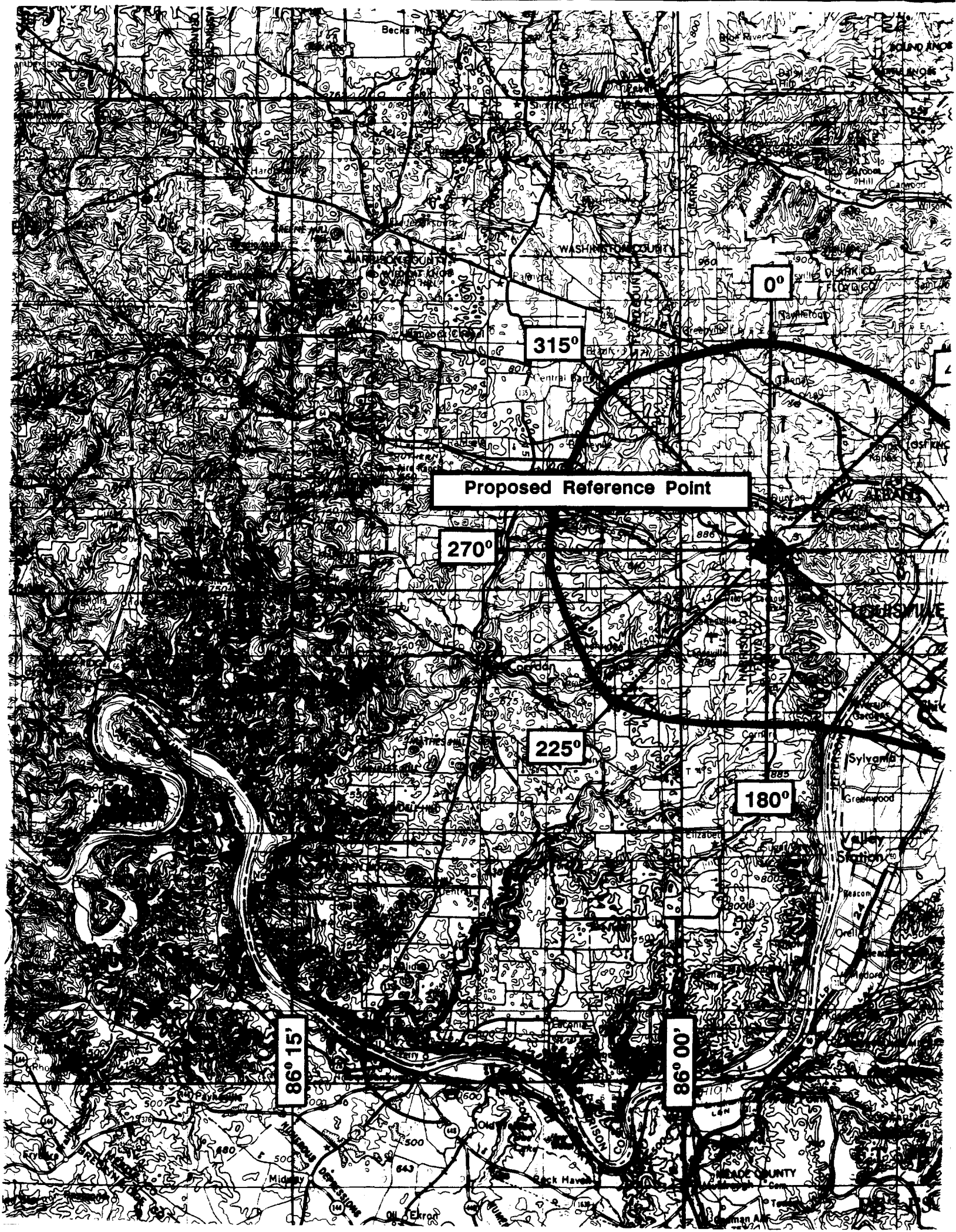

0°
315°
Proposed Reference Point
270°
225°
180°
86° 15'
86° 00'


FIGURE 5
ILLUSTRATION OF 3.16 mV/m COVERAGE
PETITION FOR RULE MAKING
FM CHANNEL 243A
POWER COMMUNICATIONS, INC.
SHIVELY, KENTUCKY
38° 30'
45°
90°
38° 15'
126°
135°
85° 45'
85° 30'
Theoretical 70 dBu (3.16 mV/m)
Shively
Legal Boundaries
EASTERN UNITED STATES 1:250,000
Scale 1:250,000
5 0 5 10 15 20 Statute Miles
5 0 5 10 15 20 25 30 Kilometres
5 0 5 10 15 Nautical Miles
CONTOUR INTERVAL 100 FEET
WITH SUPPLEMENTARY CONTOURS AT 50 FOOT INTERVALS
TRANSVERSE MERCATOR PROJECTION
BLACK NUMBERED LINES INDICATE THE 10,000 METRE UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 16
1970 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 2½° (40 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 1° (20 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE